

and 22-42 and rejected claims 2-5, 7, 12, 18, 21, 23, 28, 33, 39, 42, 44, 47, 52, 58, and 61 under 35 USC 112, 2nd paragraph. These claims have been cancelled and claims 62-123 added.

The Examiner has also rejected claims 1-61 as being anticipated or obvious in view of Teder (US Pat. 5,700,204) and Chadwell (US Pat. 5,662,533). Claims 1-61 have been cancelled.

Newly Added Claims 62-123

Applicant has added claims 62-123. Claims 62-111 recite methods and apparatus for determining movement characteristics of an object by employing a plurality of electro-magnetic transmission paths or sensors. Employment of multiple paths as taught by the present invention enables a more accurate determination of movement characteristics under varying conditions.

Teder ('204) and Mihran ('971) (included in a recent IDS) each teach the use a single sensor or transmission path to determine movement characteristics of an object. Neither reference teaches how multiple sensors/paths may be employed to generate a more accurate movement model. Teder ('204) only mentions that multiple sensors may be used but does teach or suggest how to use the same to more accurately determine a movement characteristic. Further, Teder ('204) requires the object's movement path to be curvilinear in order to attempt to determine a movement characteristic. In view of the lack of teachings of the prior art, Applicant respectfully contends that claims 62-111 are in condition for allowance.

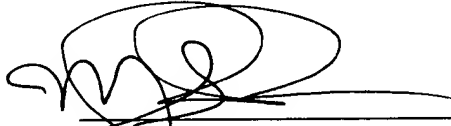
Claims 112-123 recite a ball capable of use in a system that employs multiple sensors/paths. Accordingly, Applicant respectfully contends that these claims are also in condition for allowance.

While Applicant has made a diligent effort to place the claims in condition for allowance, should there remain unresolved issues that require adverse action it is respectfully requested that the Examiner telephone Merle Richman, Applicant's Attorney at 858 320-2030 so that such issues may be resolved as expeditiously as possible.

For these reasons, and in view of the above amendments, this application is now considered to be in condition for allowance and such action is earnestly solicited.

Respectfully Submitted,

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Date



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